

Recent IBM patents

The following patents were recently issued by the countries in which the inventions were made. For U.S. patents, titles and names supplied to us by the U.S. Patent Office are reproduced exactly as they appear on the original published patent.

Federal Republic of Germany

3,068,118,608 S. K. Wiedmann

Storage Cell Simulation for Generating a Reference Voltage for Semiconductor Stores in MTL Technology
System Circuit for a Semiconductor Storage

3,068,176,608 S. K. Wiedmann

Switzerland

12,818 F. Gfeller

System for Separating Optical Signal from Ambient Light
Scanning Tunneling Microscope

643,397 G. Binnig and H. Rohrer

United States

4,435,898 S. P. Gaur and J. S. Lechaton

Method for Making a Base Etched Transistor Integrated Circuit
Centripetal Cutter and Stripper Apparatus

4,436,001 J. M. Ergler, H. Kohn, and M. Smetana

Passive Display Module and System

4,436,378 D. H. Kirkman

Guidance Correction Method and Apparatus for Copy Paper Path in a Copier

4,436,403 J. H. Rhodes, Jr. and A. A. Rosati

File Compaction Apparatus and Method for Copiers

4,436,409 C. A. Queener

Optical Fluid Analyzing and Method

4,436,420 S. W. Depp and G. T. Sincerbox

Refractory Structure and Process for the Preparation Thereof

4,436,768 J. L. Freeouf, W. J. Haag, and J. M. Woodall

X-ray Mask

4,436,797 M. J. Brady, B. S. Meyerson, and J. M. Warlaumont

Monolithically Integrated Push-Pull Driver

4,437,022 E. F. Miersch, K. Pollmann, H. Schettler, and R. Zuhlke

Color Video Display System Having Programmable Border Color

4,437,092 M. E. Dean, L. C. Eggebrecht, D. A. Kummer, and J. A. Saenz

Apparatus and Method for Scrolling Text and Graphic Data in Selected Portions of a Graphic Display

4,437,093 D. J. Bradley

Double Polysilicon Contact Structure

4,437,108 J. R. Gardiner, S. R. Makarewicz, M. Revitz, and J. F. Shepard

Laser Annealed Dielectric for Dual Dielectric Capacitor

4,437,139 J. K. Howard

Cache Memory Architecture with Decoding

4,437,149 J. H. Pomerene and R. N. Rechtschaffen

Multiple Half-Line Spacing on a Miniature Page

4,437,167 K. R. Demke and J. D. Dwire

Method of Testing a Data Communication System

4,437,184 R. M. S. Cork and D. B. Rose

Method of Making a Saturation-Limited Bipolar Transistor Device

4,446,611 D. L. Bergeron and P. T. Patel

Symmetrical Three Degree of Freedom Compliance Structure

4,447,048 F. L. Fischer

Uniformly Intense Imaging by Close-Packed Lens Array

4,447,126 P. F. Heidrich, R. A. Laff, and T. B. Light

4,447,144	D. K. Gibson	Grooved Roller Support for a Belt Xerographic Photoconductor
4,447,152	R. E. Rainford, M. M. Moser, and J. R. Ojala	Method and Apparatus for Detecting Defects in Apertured Plates
4,447,221	A. P. Mulzet	Continuous Flow Centrifuge Assembly
4,447,746	F. F. Fang and J. C. McGroddy	Digital Photodetectors
4,447,774	N. G. Stalberg	Video Signal Detector
4,447,824	J. S. Logan, J. L. Mauer IV, L. B. Rothman, G. C. Schwartz, and C. L. Standley	Planar Multi-level Metal Process with Built-in Etch Stop
4,447,857	R. Marks, D. W. Phelps, Jr., and W. C. Ward	Substrate with Multiple Type Connections
4,447,888	W. A. Kuecker, S. D. Stratton, and W. C. Cason	Mixed Pitch Display
4,447,908	P. R. Chevillat and G. Ungerboeck	Method of Transmitting Binary Data Sequences and Arrangement for Enabling the Rapid Determination of the End of a Transmitted Binary Data Sequence
4,448,123	A. E. Fleek and S. C. Tseng	Variable Speed Printing for Dot Matrix Printers
4,448,149	W. W. Brown, Jr., G. P. Dahlke, and F. T. Lupul	Apparatus for Removably Mounting and Supplying Mechanical and Electrical Energy to a Vacuum Chamber Substrate Holder
4,448,240	A. Sharon	Telescoping Thermal Conduction Element for Cooling Semiconductor Devices
4,448,474	W. Melnychenko	Strain Relief Device
4,448,487	J. J. Cuomo, T. H. DiStefano, and J. M. Woodall	Photon Energy Conversion
4,448,557	G. R. Horn and K. O. Shipp, Jr.	Method and Means for Inhibiting Interleaving or Cave-in Among Table Text Columns Resulting From Column Insertion
4,448,648	D. J. Barclay, W. M. Morgan, and J. M. Vigar	Trivalent Chromium Electroplating Baths
4,448,649	D. J. Barclay, W. M. Morgan, and J. M. Vigar	Trivalent Chromium Electroplating Baths
4,448,804	W. J. Amelio, G. K. Lemon, V. Markovich, T. Panasik, C. J. Sambucetti, and D. J. Trevitt	Method for Selective Electroless Plating of Copper onto a Non-conductive Substrate Surface
4,448,865	H. Bohlen, J. Greschner, and P. Nehmiz	Shadow Projection Mask for Ion Implantation and Ion Beam Lithography
4,449,033	R. G. McClure, J. M. Rakes, and E. R. Williams	Thermal Print Head Temperature Sensing and Control
4,449,052	M. L. Krieg	Method of Printing and Detecting Optimum Bar Code Test Patterns
4,449,119	C. A. Hanna and E. Lancki	Self-clocking Serial Decoder
4,449,124	A. D. Edgar	Precompensated Stroke Cathode Ray Tube Display System Apparatus and Method
4,449,205	C. R. Hoffman	Dynamic RAM with Non-volatile Back-up Storage and Method of Operation Thereof
4,451,190	R. L. Bellamy, Jr., J. D. Bersot, K. L. Thomas, and R. R. Muse	Fastening Element and a Fastener Assembly Using the Same
4,451,344	R. W. Burkhart, A. R. Cox, and J. D. Hartley	Method of Making Edge Protected Ferrite Core
4,451,349	J. T. Yeh	Electrode Treatment for Plasma Patterning of Polymers
4,451,391	J. C. Marinace	Conductive Silicon Carbide
4,451,495	A. M. Homola, M. R. Lorenz, and H. Sussner	Increasing Magnetic Particle Concentration in Magnetic Coatings
4,451,503	S. E. Blum, K. H. Brown, and R. Srinivasan	Photo Deposition of Metals with Far UV Radiation
4,451,532	V. M. DePalma, R. J. Dilley, M. F. Doerner, and D. A. Nepela	Magnetic Recording Composition Employing Mono-dispersed Spherical Load-bearing Particles
4,451,825	S. T. Hall, R. Hardiman, P. W. Johnson, P. Quarendon, and H. W. Tuffill	Digital Data Display System
4,451,881	D. G. Grice and F. E. Howley	Data Processing System Bus for Multiple Independent Users
4,451,884	C. A. Heath and R. G. VanDuren	Cycle Stealing I/O Controller with Programmable Offline Mode of Operation
4,451,922	Z. T. Dearden and Y. K. Puri	Transmission Logic Parity Circuit
4,452,136	W. W. Boynton and C. J. Weber	Printer Subsystem with Dual Cooperating Microprocessors
4,452,406	M. E. Richard	Leader Block for Single Reel Tape Cartridge
4,452,645	W.-K. Chu, I. E. Magdo, and H. S. Rupprecht	Method of Making Emitter Regions by Implantation Through a Non-monocrystalline Layer
4,452,665	H. Hiraoka	Polymeric Halocarbons as Plasma Etch Barriers
4,452,881	W. Augstein, P. Frasc, B. Ivancic, and M. A. Zuegel	Method of Adjusting the Edge Angle in Polysilicon
4,453,086	W. D. Grobman	Electron Beam System with Reduced Charge Buildup
4,453,127	J. D. Schick	Determination of True Electrical Channel Length of Surface FET
4,453,171	W. E. Bernier and C. R. Pigos	Reduced Electrode Wear in Electrolytic Printing by pH Control of the Print Reaction Zone

4,453,176	D. A. Chance and G. V. Kopcsay	LSI Chip Carrier with Buried Repairable Capacitor with Low Inductance Leads
4,453,194	R. F. Frankeny and C. R. Linton	Integrated Power Circuit with Current Sensing Means
4,453,209	D. Meltzer	System for Optimizing Performance of Paging Store
4,453,248	P. M. Ryan	Fault Alignment Exclusion Method to Prevent Realignment of Previously Paired Memory Defects
4,453,660	R. W. Cornell and D. K. Rex	Forms Feed Tractor
4,453,839	H. T. Findlay and K. A. Jones	Laminated Thermal Transfer Medium for Lift-off Correction and Embodiment with Resistive Layer Composition Including Lubricating Contact Graphite Coating
4,453,842	J. L. Archer, R. A. Hampson, S. Matsuda, and T. Yagi	Double Journal Roll Feed
4,453,984	E. R. Mondou and F. W. Schneider	Method for Removing Electrically Conductive Paste From a Screening Mask
4,454,282	R. L. Bradshaw, S. J. Falcone, and A. Simonetti	Water-Based Chromium Dioxide Magnetic Recording Media
4,454,549	D. H. Pennington	Slant Track Sector Servo
4,454,575	K. A. Bushaw and M. H. Woodward	Shared Memory System with Access by Specialized Peripherals Managed by Controller Initialized by Supervisory CPU
4,454,576	J. W. McInroy, P. D. Waldo, J. A. Elliott, T. L. Adam, and F. R. White	Report Preparation
4,454,580	H. L. Page and J. A. Wingert	Program Call Method and Call Instruction Execution Apparatus
4,454,592	W. C. Cason, F. R. White, T. L. Adam, and L. J. Levine	Prompt Line Display in a Word Processing System
4,454,646	R. C. Joy, B. M. Kemlage, and J. L. Mauer IV	Isolation for High Density Integrated Circuits
4,454,647	R. C. Joy, B. M. Kemlage, and J. L. Mauer IV	Isolation for High Density Integrated Circuits
4,455,018	D. F. Colglazier, D. M. Janssen, J. P. Mantey, and J. A. Valent	Document Feeder Electronic Registration Gate
4,455,554	K. R. Demke	Proportionality in Minature Displays
4,455,601	R. E. Griscom and T. A. Stranko	Cross Checking Among Service Processors in a Multiprocessor System
4,455,605	R. L. Cormier, R. J. Dugan, R. R. Guyette, P. J. Wanish, and C. Zeitler, Jr.	Method for Establishing Variable Path Group Associations and Affiliations Between "Non-Static" MP Systems and Shared Devices
4,455,625	B. A. Denis and D. B. Eardley	Random Access Memory Cell
4,455,649	D. J. Esteban, G. D. Jones, Jr., and L. S. Rogers	Method and Apparatus for Efficient Statistical Multiplexing of Voice and Data Signals